

1        IN THE CLAIMS

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3        1-30. (Canceled).

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5        31. (Original) An improved artificial nail composition  
6        comprising:

7                (a) from about 0.1-98.5% by weight of at least one  
8        mult carbonyl-vinyl containing monomer; and

9                (b) from about 5-98% by weight of at least one  
10      ethylenically unsaturated monomer.

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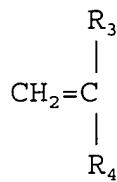
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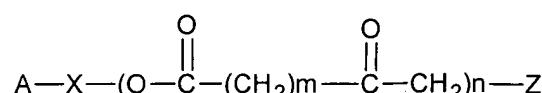
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1 32. (Original) An improved artificial nail composition  
2 according to claim 31, wherein said mult carbonyl-vinyl  
3 containing monomer has the formula:

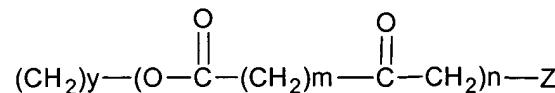


10 wherein R<sub>3</sub> is H, a C<sub>1-30</sub> straight or branched chain alkyl, aryl,  
11 aralkyl; and R<sub>4</sub> is



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19 wherein A =



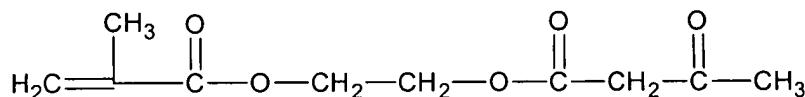
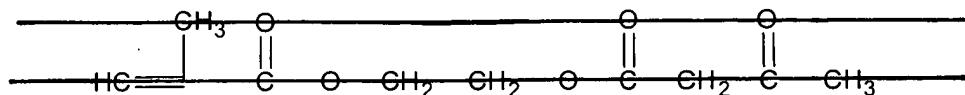
22 or,

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25 X = C<sub>1-30</sub> straight or branched chain alkyl, m is 1 to 5, n is 1  
26 to 30, y is 0 to 50; and z = H or a C<sub>1-30</sub> straight or branched  
27 chain alkyl.

1 33. (Amended) An improved artificial nail composition  
2 according to claim 31, wherein said mult carbonyl-vinyl  
3 containing monomer has the formula:



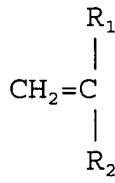
13 34. (Original) An improved artificial nail composition  
14 according to claim 31, said composition further comprising  
15 from about 0.001-5% by weight of a polymerization accelerator.

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18 35. (Original) An improved artificial nail composition  
19 according to claim 34, wherein said polymerization accelerator  
20 is selected from the group consisting of aromatic tertiary  
21 amines and aliphatic tertiary amines.

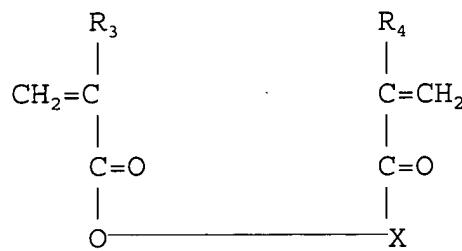
1 36. (Original) An improved artificial nail composition  
2 according to claim 31, wherein said ethylenically unsaturated  
3 monomer has the formula:



10 wherein R<sub>1</sub> is H, a C<sub>1-30</sub> straight or branched chain alkyl, aryl,  
11 aralkyl; R<sub>2</sub> is a pyrrolidone, or a substituted or  
12 unsubstituted aromatic, alicyclic, or bicyclic ring where the  
13 substituents are C<sub>1-30</sub> straight or branched chain alkyl, or COOM  
14 wherein M is H, a C<sub>1-30</sub> straight or branched chain alkyl,  
15 pyrrolidone, or a substituted or unsubstituted aromatic,  
16 alicyclic, or bicyclic ring where the substituents are C<sub>1-30</sub>  
17 straight or branched chain alkyl which may be substituted with  
18 one or more hydroxyl groups, or [(CH<sub>2</sub>)<sub>m</sub>O]<sub>n</sub>H wherein m is 1-20,  
19 and n is 1-200.

21 37. (Amended) An improved artificial nail composition  
22 according to claim 31, wherein said ethylenically unsaturated  
23 monomer comprises from about 50-98.5% by weight of a  
24 methacrylate monomer and from about 5-20% 3-20% by weight of a  
25 hydroxyalkyl methacrylate monomer.

38. (Original) An improved artificial nail composition according to claim 31, wherein said ethylenically unsaturated monomer is a difunctional monomer having the formula:



wherein R<sub>3</sub> and R<sub>4</sub> are each independently H, a C<sub>1-30</sub> straight or branch chain alkyl, aryl, or aralkyl; and X is [(CH<sub>2</sub>)<sub>x</sub>O<sub>y</sub>]<sub>z</sub> wherein x is 1-20, and y is 1-20, and z is 1-100.

39. (Original) An improved artificial nail composition according to claim 31, wherein said ethylenically unsaturated monomer is selected from the group consisting of trifunctional acrylates, trifunctional methacrylates, polyfunctional acrylates and polyfunctional methacrylates.

40. (Original) An improved artificial nail composition according to claim 31, said composition further comprising from about 0.001-5% by weight of a plasticizer.

1 41. (Amended) An improved artificial nail composition  
2 according to claim 40, wherein said plasticizer is selected  
3 from the group consisting of esters, lactones, low volatility  
4 solvents, nonionic organic surfactants and silicones.

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6 42. (Amended) An improved artificial nail composition  
7 according to claim 31, said composition further comprising a  
8 component selected from the group consisting of UV absorbers,  
9 stabilizers, colorants, and polymerization regulators.

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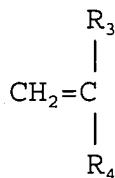
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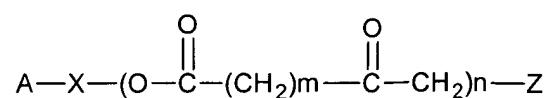
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1 43. (Original) An improved artificial nail composition  
2 comprising:

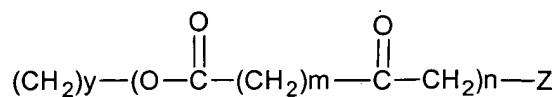
3 (a)



10 wherein R<sub>4</sub> is



14 or

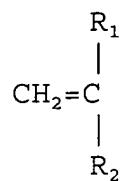


18 wherein A =



26 X = C<sub>1-30</sub> straight or branched chain alkyl, m is 1 to 5, n is 1  
27 to 30, y is 0 to 50; and z = H or a C<sub>1-30</sub> straight or branched  
chain alkyl; and

1 (b)



8 wherein  $\text{R}_1$  is H, a  $\text{C}_{1-30}$  straight or branched chain alkyl, aryl,  
9 aralkyl;  $\text{R}_2$  is a pyrrolidone, or a substituted or  
10 unsubstituted aromatic, alicyclic, or bicyclic ring where the  
11 substituents are  $\text{C}_{1-30}$  straight or branched chain alkyl, or  $\text{COOM}$   
12 wherein M is H, a  $\text{C}_{1-30}$  straight or branched chain alkyl,  
13 pyrrolidone, or a substituted or unsubstituted aromatic,  
14 alicyclic, or bicyclic ring where the substituents are  $\text{C}_{1-30}$   
15 straight or branched chain alkyl which may be substituted with  
16 one or more hydroxyl groups, or  $[(\text{CH}_2)_m\text{O}]_n\text{H}$  wherein m is 1-20,  
17 and n is 1-200.

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19 44. (Original) An improved artificial nail composition  
20 according to claim 43, said composition further comprising  
21 from about 0.001-5% by weight of a polymerization accelerator.

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24 45. (Original) An improved artificial nail composition  
25 according to claim 44, wherein said polymerization accelerator  
26 is selected from the group consisting of aromatic tertiary  
27 amines and aliphatic tertiary amines.

1 46. (Original) An improved artificial nail composition  
2 according to claim 43, said composition further comprising  
3 from about 0.001-5% by weight of a plasticizer.

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5 47. (Original) An improved artificial nail composition  
6 according to claim 43, wherein said plasticizer is selected  
7 from the group consisting of esters, low volatility solvents,  
8 nonionic organic surfactants and silicones.

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10 48. (Original) An improved artificial nail composition  
11 according to claim 43, said composition further comprising a  
12 component selected from the group consisting of UV absorbers  
13 and polymerization regulators.

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